

STEREOLITHOGRAPHIC SHAPING METHOD AND APPARATUS

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ABSTRACT OF THE DISCLOSURE

10 A stereolithographic shaping method used for
manufacturing a shaped article on a shaping table, and a
stereolithographic shaping apparatus for implementing
this stereolithographic shaping method are disclosed.
The stereolithographic shaping method includes the steps
of coating a liquid optically-curable resin onto the
surface of a shaped article under manufacture,
15 irradiating light onto the optically-curable resin to
cure a required portion to form an optically-shaped resin
layer, and repeating this process to sequentially
laminate optically-shaped resin layers. After the
shaping table is supported so as to be able to control a
20 posture position of the shaping table in an optional
three-dimensional direction, the optically-curable resin
is blown onto a shaped article on the shaping table,
thereby to coat the surface of the shaped article with
the optically-curable resin in a predetermined film
25 thickness. Then, the optically-shaped resin layers are
formed by controlling the posture position of the shaping
table and by irradiating the light onto the optically-
curable resin that has been coated on the surface of the
shaped article.